

Media Release, 14th July, 2016

Hitachi Zosen Inova Hands Greatmoor Project over to FCC Environment

The Swiss clean-tech company Hitachi Zosen Inova (HZI) has successfully completed commissioning of the new energy-from-waste plant in Greatmoor (UK), and the client, FCC Environment, has taken over. FCC Environment will now operate the site for 30 years on behalf of Buckinghamshire County Council, who own the facility. This is the sixth project in the UK that HZI has successfully handed over to clients.

The turnkey energy-from-waste (EfW) plant constructed by general contractor Hitachi Zosen Inova (HZI) in Greatmoor (Buckinghamshire, UK) has been successfully handed over to the client, with the acceptance issued at the end of June 2016. This date marks the start of the 30 year operational partnership between FCC, as the plant operator, and Buckinghamshire County Council as the plant owner. HZI has delivered a plant whose concept and design meet all the EU R1 criteria. "We're proud to have once again contributed to efficient, sustainable waste management in the UK with our know-how and our own first-rate technology," says HZI CEO Franz-Josef Mengede. Following Cleveland 3, Riverside, Newhaven, Cleveland 4&5 and Ferrybridge, this is the sixth HZI plant to go into operation in the UK.

Every year the Greatmoor plant will treat up to 300,000 tonnes of municipal and commercial waste from all over the county of Buckinghamshire and neighboring counties using it to generate 22 MW of electrical power, enough to supply 36,000 households in the region. It will also have the capability to produce 6.6 MW of thermal energy to cover the district heating requirements of around 660 households, should a heat demand be identified.

Acceptance Thanks to Cooperation

A total of more than 2,000 people worked on the site over the 33-month construction period. A focus on safety alongside environmental considerations has meant the site has been very safe, with more than 2million man-hours without any loss time incident.

A total of 3,326 tonnes of steel was used in the construction of the plant, enough to build a 2.1-kilometer-long goods train with 240 wagons. The 3,699 m² of grating fitted for walkways and platforms would be enough to cover two ice hockey rinks, including the penalty box.

Richard Belfield, Group Development Director, FCC Environment said: "From the outset a great deal of effort went into ensuring good collaboration and open dialogue with local people." In addition to building a standalone access road, to ease the traffic burden on local communities, FCC initiated the Greatmoor Community Liaison Group, providing a platform for FCC Environment and HZI to inform people about significant project milestones on a regular basis. This group will continue to meet to ensure the close community relationship continues during the running of the plant."

The client's acceptance marks the beginning of the two-year warranty phase.

Factsheet

Owner	Buckinghamshire County Council
Operator	FCC Environment UK Limited
Waste type	Municipal and commercial waste
Scope of supply by HZI	General contractor, turnkey plant
Annual capacity	300,000 t/a
Number of lines	1
Thermal capacity	96.9 MW (nom) – 101.8 MW (max)
Grate type	Hitachi Zosen Inova grate, 12x10 m, air cooled
Boiler Type	Five-pass boiler, horizontal
Flue gas treatment	SNCR, Hitachi Zosen Inova SemiDry system
Energy recovery	Electric power generation: 27.7 MW (nom) – 29.4 MW (max) District heating output: 6.6 MW

About Hitachi Zosen Inova

Zurich-based Hitachi Zosen Inova (HZI) is a global leader in energy from waste (EfW), operating as part of the Hitachi Zosen Corporation Group. Formed from the former Von Roll Inova, HZI acts as an engineering, procurement and construction (EPC) contractor delivering complete turnkey plants and system solutions for thermal and biological EfW recovery. Its solutions are based on our efficient and environmentally sound in-house technology, are thoroughly tested, can be flexibly adapted to user requirements, and cover the entire plant life cycle. The company's customers range from experienced waste management companies to up-and-coming partners in new markets worldwide. HZI's innovative and reliable waste and flue gas treatment solutions have been part of over 600 reference projects delivered since 1933. To find out more about HZI, please visit www.hz-inova.com

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About FCC Group

We are owned by the Spanish construction and services group, Fomento de Construcciones y Contratas (FCC) and are one of the UK's leading waste management and energy recovery companies. Each year we collect, recycle and dispose of millions of tonnes of household, commercial and industrial waste. We also generate energy from waste, thereby contributing significantly to the Government's efforts to reduce reliance on fossil fuels.

The profile of the UK's waste management industry has never been higher, the pressures on local authorities and the economy to reduce waste and maximise re-use and recovery, never greater. Through innovation, service and expertise – cornerstones of the Group's approach – we are committed to working with our local authority partners and industry customers to respond to often complex and far-reaching waste management strategies, to react to increased regulation from the UK and Europe, and to meet demanding waste management targets.

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